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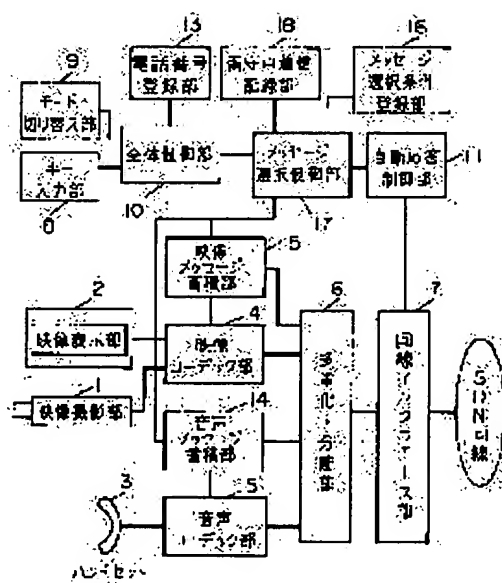
(54) VIDEO TELEPHONE SYSTEM

(57)Abstract:

PURPOSE: To provide an excellent workability and convenience by storing plural response messages in a voice message storage part and a video message storage part and registering which response message is transmitted to which party on a message selection condition registration part.

CONSTITUTION: An automatic response control part 11, to which call termination is reported, outputs the telephone number and terminal class of a call originating terminal to a message selection control part 17. Next, the control part 17 records these data in an automatic answered incoming call recording part 18. Afterwards, the control part 17 investigates whether any response message corresponding to the call originating party is

registered on the message selection condition registration part or not. When such a message is registered, the control part 17 instructs the execution of connection to the control part 11. On the other hand, the control part 17 selects the response message from a voice message storage part 14 and a video message storage part 15 according to conditions registered on the message selection condition registration part 16. Then, the selected message is



transmitted to the call originating terminals, and voices or pictures from that party are recorded in the recording part 18.

LEGAL STATUS

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CLAIMS

[Claim(s)]

[Claim 1] The image photography section which photos a user, and the graphic display section which displays a user's image and received image, The hand set which outputs and inputs voice, and the image codec section which elongates and decodes compression and the encoded image data and is outputted to said graphic display section while compressing and encoding the image data inputted from said image photography section, The voice codec section which elongates and decodes compression and the encoded voice data and is outputted to said hand set while compressing and encoding the voice data inputted from said hand set, Multiplexing / separation section which separates the image and voice data multiplexed while multiplexing the image data encoded in said image codec section, and the voice data encoded in said voice codec section, and is outputted to said image codec section and the voice codec section, The circuit interface section which outputs the image and voice data received from the communication line while transmitting the image and voice data multiplexed in said multiplexing / separation section to the communication line to said multiplexing / separation section, The key input section for performing input of the telephone number, selection of a function, etc., and the mode change section for performing a change in the normal mode and housesitting mode, The automatic-answering control section for answering the call automatically [when said mode change section is in housesitting mode and a message is received], The telephone number registration section for being ***** TV phone equipment and registering the telephone number, The voice-told message are recording section which accumulates a response message with voice at least one or more, The image message are recording section which accumulates a response message with an image at least one or more, The conditions those combination [which response messages accumulated according to conditions -- whether the telephone number of the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or] to send out The message selection-condition registration section to register and the message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section, TV phone equipment characterized by having the arrival-of-the-mail Records Department during the absence for recording the telephone number of the communication terminal which received a message when said mode change section was in housesitting mode etc.

[Claim 2] The clock calender section which outputs time of day and a day of the week, Which response messages accumulated according to conditions -- whether the telephone number of the time of day and the day of the week which received a message, and the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or those combination The message selection-condition registration section which registers the conditions whether to send out, The message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section in quest of arrival-of-the-mail time of day and a day of the week with reference to said clock calender section when said mode change section is in

housesitting mode and a message is received, TV phone equipment indicated by claim 1 characterized by preparation *****.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the TV phone equipment which is connected to a communication line and can communicate using the both sides of voice and an image.

[0002]

[Description of the Prior Art] The TV phone equipment which international-standards-ization of an image coding method was able to be performed in recent years, and can communicate a high-speed digital transmission way using an animation image and voice in connection with having become easily possible to use by the low running cost begins to be announced [come] from each company, and various TV phones especially equipped with the telephone answering function for the improvement in convenience are also developed.

[0003] Conventional TV phone equipment is explained below. Drawing 8 is the block diagram of conventional TV phone equipment. The image photography section in which 1 photos a user, the graphic display section as which 2 displays a user's image and received image, The image codec section which the hand set with which 3 outputs and inputs voice, and 4 elongate and decode compression and the encoded image data while compressing and encoding the image data inputted from the image photography section 1, and is outputted to the graphic display section 2, The voice codec section which elongates and decodes compression and the encoded voice data and is outputted to a hand set 3 while 5 compresses and encodes the voice data inputted from the hand set 3, Multiplexing / separation section which separates the image and voice data multiplexed while 6 multiplexed the image data encoded in the image codec section 4, and the voice data encoded in the voice codec section 5, and is outputted to the image codec section 4 and the voice codec section 5, The circuit interface section which outputs the image and voice data received from the ISDN circuit while 7 transmitted the image and voice data multiplexed in multiplexing / separation section 6 to the ISDN circuit to multiplexing / separation section 6, The mode change section for the key input section for 8 to perform input of the telephone number, selection of a function, etc. and 9 to perform a change in the normal mode and housesitting mode, A control section in order that [whole] 10 may control the whole TV phone equipment based on the directions from the key input section 8 and the mode change section 9, When the mode change section 9 is made into housesitting mode and 11 receives a message, the automatic-answering control section which performs control for answering the call automatically, and 12 are the response message are recording sections which accumulate the response message sent out by the automatic-answering control section 11.

[0004] About the conventional TV phone equipment constituted as mentioned above, the actuation at the time of the housesitting mode is explained below. Introduction and a user register the response message at the time of one kind of absence into the response message are recording section 12. Next, a user sets the mode change section 9 to housesitting mode. This sets up the whole control section 10 so that automatic answering of the automatic-answering control section 11 may be carried out at the time of arrival of the mail. Next, the circuit interface section 7 detects a call in by receiving a call setup message

from an ISDN circuit. Next, the circuit interface section 7 analyzes this call setup message, and performs the notice of a call in to the automatic-answering control section 11. Next, it is directed that the automatic-answering control section 11 transmits a call receptionist message to an ISDN circuit to the circuit interface section 7 by this. Next, according to this, when the circuit interface section 7 sends out a call receptionist message to an ISDN circuit, connection with a partner is completed. Next, the automatic-answering control section 11 is controlled after this connection termination to send out the response message accumulated into the response message are recording section 12 to an ISDN circuit. A response message is sent out through multiplexing / separation section 6 and the circuit interface section 7 by this to an ISDN circuit, and is sent to an origination-side terminal (not shown). Next, when the circuit interface section 7 receives the release message from an origination-side terminal (not shown), the automatic-answering control section 11 suspended transmission of a response message, and has ended the actuation at the time of housesitting mode while it directs that an open completion message transmits to an ISDN circuit to the circuit interface section 7.

[0005]

[Problem(s) to be Solved by the Invention] However, with the above-mentioned conventional configuration, since only one kind of response message was able to be accumulated in the response message are recording section but this same response message was unconditionally transmitted to any partners, flexible response of changing a response message according to a dispatch partner, the receipt time, a day of the week, etc. was not completed, but it had the trouble that versatility was missing. Moreover, whenever it changed the response message, the response message had to be reregistered, and it had the trouble that it was complicated and trouble lacked in charge workability. Furthermore, the telephone number of the partner who received a message at the time of housesitting mode could not be known, but it had the trouble that convenience was missing.

[0006] It aims at offering the TV phone equipment which this invention solves the above-mentioned conventional trouble, and could change the response message automatically according to the dispatch partner, arrival-of-the-mail time of day, a day of the week, etc., was excellent in versatility, could change the response message only by specifying another response message registered beforehand, is excellent in workability, and is excellent in the convenience which can know the telephone number of the partner who received a message at the time of housesitting mode.

[0007]

[Means for Solving the Problem] The TV phone equipment indicated by claim 1 of this invention in order to attain this purpose The image photography section which photos a user, and the graphic display section which displays a user's image and received image, The hand set which outputs and inputs voice, and the image codec section which elongates and decodes compression and the encoded image data and is outputted to said graphic display section while compressing and encoding the image data inputted from said image photography section, The voice codec section which elongates and decodes compression and the encoded voice data and is outputted to said hand set while compressing and encoding the voice data inputted from said hand set, Multiplexing / separation section which separates the image and voice data multiplexed while multiplexing the image data encoded in said image codec section, and the voice data encoded in said voice codec section, and is outputted to said image codec section and the voice codec section, The circuit interface section which outputs the image and voice data received from the communication line while transmitting the image and voice data multiplexed in said multiplexing / separation section to the communication line to said multiplexing / separation section, The key input section for performing input of the telephone number, selection of a function, etc., and the mode change section for performing a change in the normal mode and housesitting mode, The automatic-answering control section for answering the call automatically [when said mode change section is in housesitting mode and a message is received], The telephone number registration section for being ***** TV phone equipment and registering the telephone number, The voice-told message are recording section which accumulates a response message with voice at least two or more, The image message are recording section which accumulates a response message with an image at least two or more, The conditions those combination [which response messages accumulated according to

conditions -- whether the telephone number of the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or] to send out The message selection-condition registration section to register and the message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section, Have the configuration equipped with the arrival-of-the-mail Records Department during the absence for recording the telephone number of the communication terminal which received a message when said mode change section was in housesitting mode etc., and the TV phone equipment indicated by claim 2 is set to claim 1. The clock calender section which outputs time of day and a day of the week, Which response messages accumulated according to conditions -- whether the telephone number of the time of day and the day of the week which received a message, and the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or those combination The message selection-condition registration section which registers the conditions whether to send out, The message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section in quest of arrival-of-the-mail time of day and a day of the week with reference to said clock calender section when said mode change section is in housesitting mode and a message is received, It has preparation *****.

[0008] When arrival of the mail is disregarded and it is made not to answer the partner and time zone which are not registered into the message selection-condition registration section here, it is desirable from the field of versatility.

[0009]

[Function] Two or more response messages are accumulated in the voice-told message are recording section and the image message are recording section, and when a message is received at the time of housesitting mode, in order that the message selection-control section may transmit the response message according to the conditions registered into the message selection-condition registration section, according to the partner who received, a response message is automatically changeable only by registering which response message is transmitted to the message selection-condition registration section to which partner, with this configuration. Moreover, a response message can be changed into other response messages accumulated beforehand very easily only by changing assignment in the message selection-condition registration section. Moreover, in order to record the telephone number of the master station with which the arrival-of-the-mail Records Department received a message during absence at the time of housesitting mode etc., the partner who received a message at the time of housesitting mode can know easily who it was. Furthermore, a response message is automatically changeable by having the clock calender section with conditions, such as time of day and a day of the week which received a message.

[0010]

[Example]

(Example 1) The TV phone equipment in one example of this invention is explained below, referring to a drawing. Drawing 1 is the block diagram of the TV phone equipment in one example of this invention. 1 -- the image photography section and 2 -- the graphic display section and 3 -- a hand set and 4 -- the image codec section and 5 -- for the circuit interface section and 8, as for the mode change section and 10, the key input section and 9 are [the voice codec section and 6 / multiplexing / separation section and 7 / a whole control section and 11] automatic-answering control sections, and since these are the same as that of the conventional example, they attach the same sign and omit explanation. The telephone number registration section for 13 to register the telephone number, the voice-told message are recording section in which 14 accumulates a response message with voice at least two or more, The image message are recording section in which 15 accumulates a response message with an image at least two or more, 16 which response messages accumulated according to conditions -- whether the telephone number of the master station which received a message is registered into the telephone number registration section 13 -- into the voice-told message are recording section 14 and the image message are

recording section 15, or those combination The message selection-condition registration section which registers the conditions whether to send out, the message selection-control section which 17 chooses a response message based on the conditions registered into the message selection-condition registration section 16, and transmits, 18 is the arrival-of-the-mail Records Department during the absence for recording voice, an image, etc. from the telephone number and/or the dispatch partner of a master station who received a message when the mode change section 9 was in housesitting mode.

[0011] About the TV phone equipment in one example of this invention constituted as mentioned above, the actuation is explained below. Drawing 2 is drawing showing the message selection-condition setting screen of the TV phone equipment in one example of this invention, drawing 3 is drawing showing the message individual appointed screen of the TV phone equipment in one example of this invention, and drawing 4 is the flow chart of the TV phone equipment in one example of this invention. As for DV, the telephone number of a master station is registered into the telephone number registration section 13. And the notation which shows that a master station is a TV phone, the notation with which the telephone number is registered and DL shows that it is the usual telephone, The notation which, as for TV, the telephone number is not registered, and shows that it is a TV phone, The notation with which the telephone number is not registered and TL shows that it is the usual telephone, The registration number of a response message with each voice by which A1 thru/or A7 are accumulated in the voice-told message are recording section 14, V1, or V5 is the registration number of a response message with each image accumulated in the image message are recording section 15. Introduction and a user specify the registration number of A1 grade, and register a response message with two or more voice. After the voice codec section 5 compressed and encodes, the response message with this voice adds the above-mentioned registration number, and is accumulated in the voice-told message are recording section 14. Next, the registration number of V1 grade is specified similarly and a response message with two or more images is registered. After the image codec section 4 compressed and encodes, the response message with this image adds the above-mentioned registration number, and is accumulated in the image message are recording section 15. Next, in a message selection-condition setting screen as shown in drawing 2, a user determines the conditions which transmit each response message. Here, these conditions are registered into the message selection-condition registration section 16. For example, in drawing 2, it is set up so that the telephone number of a master station is not registered into the telephone number registration section 13, and response message A3 with voice and the response message V3 with an image may be outputted to (TV) as a response message at coincidence, when a master station is a TV phone. Moreover, when the terminal type that it is whether they are the telephone number and a TV phone wants to transmit a specific response message according to an individual to the partner registered into the telephone number registration section 13, in the message individual appointed screen as shown in drawing 3, the registration number of a response message to transmit to the partner is set up during the telephone number list registered into the telephone number registration section 13. Here, these setup is registered into the message selection-condition registration section 16 like the point. For example, to the PQR, after the response message with the voice of A6, it is set up so that a response message with the voice of A7 may be outputted.

[0012] Next, arrival-of-the-mail actuation in case the mode change section 9 is set to housesitting mode is explained. In drawing 4, the circuit interface section 7 gets to know a call in by receiving a call setup message from an ISDN circuit first. Next, the circuit interface section 7 analyzes this call setup message, and performs the notice of a call in to the automatic-answering control section 11. Next, the automatic-answering control section 11 which received the notice of a call in outputs the telephone number of a master station, and a terminal type to the message selection-control section 17. Next, the message selection-control section 17 records the telephone number of the outputted master station, and a terminal type on the arrival-of-the-mail Records Department 18 during absence (S1). Next, the message selection-control section 17 analyzes whether the response message corresponding to the dispatch partner applicable to this telephone number and a terminal type is contained in the message selection-condition registration section 16 (S2). Next, it investigates whether the response message corresponding to a dispatch partner was contained in the message selection-condition registration section 16 as a result

of this analysis (S3). When close is not, the message selection-control section 17 directs that arrival of the mail is disregarded to the automatic-answering control section 11, and directs that end all processings, and the message selection-control section 17 connects to the automatic-answering control section 11 when entering, (S4) and (S5). Next, the automatic-answering control section 11 directs to send a connection message to an ISDN circuit to the circuit interface section 7. Next, according to these directions, connection with a partner is completed because the circuit interface section 7 sends out a call receptionist message to an ISDN circuit. On the other hand, the message selection-control section 17 chooses the response message according to a dispatch partner according to the conditions registered into the message selection-condition registration section 16 from the voice-told message are recording section 14 and the image message are recording section 15 (S6). Next, it investigates whether connection with a dispatch partner was completed (S7). When it jump(s) to S7 that connection is completed when having not completed in order to wait, and it completes The response message chosen by S6 is read out of the voice-told message are recording section 14 and the image message are recording section 15. While sending these out to an ISDN circuit through multiplexing / separation section 6 and the circuit interface section 7 and sending to a master station (S8), voice, an image, etc. from a dispatch partner are recorded on the arrival-of-the-mail Records Department 18 during absence. Next, it investigates whether the release message from a master station was received after response message sending out (S9). Since when having not received waits to receive the release message from a master station, while when it jump(ed) and receives to S9 directs [the automatic-answering control section 11] that an open end message transmits to an ISDN circuit to the circuit interface section 7, sending out of a response message is stopped and all processings are ended (S10).

[0013] (Example 2) The TV phone equipment in the 2nd example of this invention is explained below, referring to a drawing. Drawing 5 is the block diagram of the TV phone equipment in the 2nd example of this invention. In 1, the image photography section and 2 a hand set and 4 for the graphic display section and 3 The image codec section, 5 multiplexing / separation section and 7 for the voice codec section and 6 The circuit interface section, In 8, the key input section and 9 a whole control section and 11 for the mode change section and 10 An automatic-answering control section, For 13, as for the voice-told message are recording section and 15, the telephone number registration section and 14 are [the image message are recording section and 18] the arrival-of-the-mail Records Department during absence, and since these are the same as that of an example 1, they attach the same sign and omit explanation. The clock calender section to which 19 outputs time of day and a day of the week, 20 which response messages accumulated according to conditions -- whether the telephone number of the time of day and the day of the week which received a message, and the master station which received a message is registered into the telephone number registration section 13 -- into the voice-told message are recording section 14 and the image message are recording section 15, or those combination The message selection-condition registration section which registers the conditions whether to send out, When the mode change section 9 is in housesitting mode and 21 receives a message, it is the message selection-control section which chooses a response message and transmits based on the conditions registered into the message selection-condition registration section 20 in quest of arrival-of-the-mail time of day and a day of the week with reference to the clock calender section 19.

[0014] About the TV phone equipment in the 2nd example of this invention constituted as mentioned above, the actuation is explained below. Drawing 6 is drawing showing the message selection-condition setting screen of the TV phone equipment in the 2nd example of this invention, and drawing 7 is the flow chart of the TV phone equipment in the 2nd example of this invention. The notation with which the notation showing the TV phone with which DV was registered, the notation showing the usual telephone into which DL was registered, A1, or A6 expresses a response message with voice, V1, or V6 is a notation showing a response message with an image, and since these are the same as that of an example 1, they attach the same sign and omit explanation. The notation with which the figure after the notation with which AM expresses the morning, the notation with which PM expresses an afternoon, and AM and PM expresses time of day, and WD expresses a weekday, and HO are the notations showing a holiday. Introduction and a user specify the registration number of A1 grade, and register two or more

response messages depended on voice and an image as well as an example 1. Next, in a message selection-condition setting screen as shown in drawing 6, as for a user, a day of the week, time of day, etc. use and determine the conditions which transmit each response message. Here, these conditions are registered into the message selection-condition registration section 20. For example, in drawing 6, by not registering the telephone number of a master station into the telephone number registration section 13, by (WD), the arrival-of-the-mail day is set up a weekday so that it may output response message A4 with voice, and the response message V4 with an image to coincidence as a response message, when arrival-of-the-mail time of day is from (AM) 0:00 before 1:00 in the morning. Moreover, time amount and a day of the week may be combined like motor octane number+PM. Moreover, to the partner by whom the telephone number is registered into the telephone number registration section 13, as shown in the example 1, you may set up so that a specific response message may be transmitted according to an individual.

[0015] Next, arrival-of-the-mail actuation in case the mode change section 9 is set to housesitting mode is explained. In drawing 7, the arrival-of-the-mail day and arrival-of-the-mail time of day which are obtained from a dispatch partner's telephone number, terminal type, and the time amount calender section 19 are first recorded on the arrival-of-the-mail Records Department 18 during absence (S11). Next, it analyzes whether a dispatch partner's telephone number and a terminal type are contained in the message selection-condition registration section 20 like an example 1 (S2). Next, it investigates whether like the example 1, when it went into conditions by S2, it was analyzed (S3). When close is not, like an example 1, arrival of the mail is disregarded, all processings are ended, and (S4) and when entering, connection is directed to the automatic-answering control section 11 like an example 1 (S5). Next, the message selection-control section 21 investigates whether time assignment is carried out in the message selection-condition registration section 20 (S12). Like [when not specified] an example 1, the voice-told message and image message suitable for conditions are chosen, and when jump(ed) and specified S7, the message selection-control section 21 reads the day of the week at the time of arrival of the mail, and time of day from the clock calender section 19, and chooses the response message corresponding to the specified time conditions from the voice-told message are recording section 14 and the image message are recording section 15 (S13). Next, it investigates whether connection was completed like an example 1 (S7). Since when having not completed waits until connection is completed, while the response message chosen by S6 or S12 is read like an example 1 and when having jump(ed) and completed to S7 transmits (S8), the voice and the image from a dispatch partner are recorded. Next, it investigates whether the release message was received like an example 1 (S9). When it is No, in order to wait for reception of a release message, it jump(s) to S9, and when it is Yes, like an example 1, response message sending out is stopped and all processings are ended (S10).

[0016]

[Effect of the Invention] As mentioned above, this invention accumulates two or more response messages in the voice-told message are recording section and the image message are recording section, and it only registers which response message is transmitted to the message selection-condition registration section to which partner. When a message is received at the time of housesitting mode, in order that the message selection-control section may transmit the response message according to the conditions registered into the message selection-condition registration section Only by being able to change a response message automatically according to the partner who received, excelling in versatility, and changing assignment in the message selection-condition registration section In order to record the telephone number of the master station with which the response message could be changed into other response messages accumulated beforehand very easily, it excelled in workability, and the arrival-of-the-mail Records Department received a message during absence at the time of housesitting mode By being able to know easily who the partner who received a message at the time of housesitting mode was, excelling in convenience, and having the clock calender section The TV phone equipment which was excellent in the versatility which can change a response message automatically with conditions, such as time of day and a day of the week which received a message, is realizable.

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TECHNICAL FIELD

[Industrial Application] This invention relates to the TV phone equipment which is connected to a communication line and can communicate using the both sides of voice and an image.

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PRIOR ART

[Description of the Prior Art] The TV phone equipment which international-standards-ization of an image coding method was able to be performed in recent years, and can communicate a high-speed digital transmission way using an animation image and voice in connection with having become easily possible to use by the low running cost begins to be announced [come] from each company, and various TV phones especially equipped with the telephone answering function for the improvement in convenience are also developed.

[0003] Conventional TV phone equipment is explained below. Drawing 8 is the block diagram of conventional TV phone equipment. The image photography section in which 1 photos a user, the graphic display section as which 2 displays a user's image and received image, The image codec section which the hand set with which 3 outputs and inputs voice, and 4 elongate and decode compression and the encoded image data while compressing and encoding the image data inputted from the image photography section 1, and is outputted to the graphic display section 2, The voice codec section which elongates and decodes compression and the encoded voice data and is outputted to a hand set 3 while 5 compresses and encodes the voice data inputted from the hand set 3, Multiplexing / separation section which separates the image and voice data multiplexed while 6 multiplexed the image data encoded in the image codec section 4, and the voice data encoded in the voice codec section 5, and is outputted to the image codec section 4 and the voice codec section 5, The circuit interface section which outputs the image and voice data received from the ISDN circuit while 7 transmitted the image and voice data multiplexed in multiplexing / separation section 6 to the ISDN circuit to multiplexing / separation section 6, The mode change section for the key input section for 8 to perform input of the telephone number, selection of a function, etc. and 9 to perform a change in the normal mode and housesitting mode, A control section in order that [whole] 10 may control the whole TV phone equipment based on the directions from the key input section 8 and the mode change section 9, When the mode change section 9 is made into housesitting mode and 11 receives a message, the automatic-answering control section which performs control for answering the call automatically, and 12 are the response message are recording sections which accumulate the response message sent out by the automatic-answering control section 11.

[0004] About the conventional TV phone equipment constituted as mentioned above, the actuation at the time of the housesitting mode is explained below. Introduction and a user register the response message at the time of one kind of absence into the response message are recording section 12. Next, a user sets the mode change section 9 to housesitting mode. This sets up the whole control section 10 so that automatic answering of the automatic-answering control section 11 may be carried out at the time of arrival of the mail. Next, the circuit interface section 7 detects a call in by receiving a call setup message from an ISDN circuit. Next, the circuit interface section 7 analyzes this call setup message, and performs the notice of a call in to the automatic-answering control section 11. Next, it is directed that the automatic-answering control section 11 transmits a call receptionist message to an ISDN circuit to the circuit interface section 7 by this. Next, according to this, when the circuit interface section 7 sends out a call receptionist message to an ISDN circuit, connection with a partner is completed. Next, the

automatic-answering control section 11 is controlled after this connection termination to send out the response message accumulated into the response message are recording section 12 to an ISDN circuit. A response message is sent out through multiplexing / separation section 6 and the circuit interface section 7 by this to an ISDN circuit, and is sent to an origination-side terminal (not shown). Next, when the circuit interface section 7 receives the release message from an origination-side terminal (not shown), the automatic-answering control section 11 suspended transmission of a response message, and has ended the actuation at the time of housesitting mode while it directs that an open completion message transmits to an ISDN circuit to the circuit interface section 7.

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EFFECT OF THE INVENTION

[Effect of the Invention] As mentioned above, this invention accumulates two or more response messages in the voice-told message are recording section and the image message are recording section, and it only registers which response message is transmitted to the message selection-condition registration section to which partner. When a message is received at the time of housesitting mode, in order that the message selection-control section may transmit the response message according to the conditions registered into the message selection-condition registration section Only by being able to change a response message automatically according to the partner who received, excelling in versatility, and changing assignment in the message selection-condition registration section In order to record the telephone number of the master station with which the response message could be changed into other response messages accumulated beforehand very easily, it excelled in workability, and the arrival-of-the-mail Records Department received a message during absence at the time of housesitting mode By being able to know easily who the partner who received a message at the time of housesitting mode was, excelling in convenience, and having the clock calender section The TV phone equipment which was excellent in the versatility which can change a response message automatically with conditions, such as time of day and a day of the week which received a message, is realizable.

[Translation done.]

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] However, with the above-mentioned conventional configuration, since only one kind of response message was able to be accumulated in the response message recording section but this same response message was unconditionally transmitted to any partners, flexible response of changing a response message according to a dispatch partner, the receipt time, a day of the week, etc. was not completed, but it had the trouble that versatility was missing. Moreover, whenever it changed the response message, the response message had to be reregistered, and it had the trouble that it was complicated and trouble lacked in charge workability. Furthermore, the telephone number of the partner who received a message at the time of housesitting mode could not be known, but it had the trouble that convenience was missing.

[0006] It aims at offering the TV phone equipment which this invention solves the above-mentioned conventional trouble, and could change the response message automatically according to the dispatch partner, arrival-of-the-mail time of day, a day of the week, etc., was excellent in versatility, could change the response message only by specifying another response message registered beforehand, is excellent in workability, and is excellent in the convenience which can know the telephone number of the partner who received a message at the time of housesitting mode.

[Translation done.]

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MEANS

[Means for Solving the Problem] The TV phone equipment indicated by claim 1 of this invention in order to attain this purpose The image photography section which photos a user, and the graphic display section which displays a user's image and received image, The hand set which outputs and inputs voice, and the image codec section which elongates and decodes compression and the encoded image data and is outputted to said graphic display section while compressing and encoding the image data inputted from said image photography section, The voice codec section which elongates and decodes compression and the encoded voice data and is outputted to said hand set while compressing and encoding the voice data inputted from said hand set, Multiplexing / separation section which separates the image and voice data multiplexed while multiplexing the image data encoded in said image codec section, and the voice data encoded in said voice codec section, and is outputted to said image codec section and the voice codec section, The circuit interface section which outputs the image and voice data received from the communication line while transmitting the image and voice data multiplexed in said multiplexing / separation section to the communication line to said multiplexing / separation section, The key input section for performing input of the telephone number, selection of a function, etc., and the mode change section for performing a change in the normal mode and housesitting mode, The automatic-answering control section for answering the call automatically [when said mode change section is in housesitting mode and a message is received], The telephone number registration section for being ***** TV phone equipment and registering the telephone number, The voice-told message are recording section which accumulates a response message with voice at least two or more, The image message are recording section which accumulates a response message with an image at least two or more, The conditions those combination [which response messages accumulated according to conditions -- whether the telephone number of the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or] to send out The message selection-condition registration section to register and the message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section, Have the configuration equipped with the arrival-of-the-mail Records Department during the absence for recording the telephone number of the communication terminal which received a message when said mode change section was in housesitting mode etc., and the TV phone equipment indicated by claim 2 is set to claim 1. The clock calender section which outputs time of day and a day of the week, Which response messages accumulated according to conditions -- whether the telephone number of the time of day and the day of the week which received a message, and the master station which received a message is registered into said telephone number registration section -- into said voice-told message are recording section and said image message are recording section, or those combination The message selection-condition registration section which registers the conditions whether to send out, The message selection-control section which chooses a response message and transmits based on the conditions registered into said message selection-condition registration section in quest of arrival-of-the-mail time of day and a day of the week with reference to said clock calender section when said mode change section is in

housesitting mode and a message is received, It has preparation *****.

[0008] When arrival of the mail is disregarded and it is made not to answer the partner and time zone which are not registered into the message selection-condition registration section here, it is desirable from the field of versatility.

[Translation done.]

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OPERATION

[Function] Two or more response messages are accumulated in the voice-told message recording section and the image message recording section, and when a message is received at the time of housesitting mode, in order that the message selection-control section may transmit the response message according to the conditions registered into the message selection-condition registration section, according to the partner who received, a response message is automatically changeable only by registering which response message is transmitted to the message selection-condition registration section to which partner, with this configuration. Moreover, a response message can be changed into other response messages accumulated beforehand very easily only by changing assignment in the message selection-condition registration section. Moreover, in order to record the telephone number of the master station with which the arrival-of-the-mail Records Department received a message during absence at the time of housesitting mode etc., the partner who received a message at the time of housesitting mode can know easily who it was. Furthermore, a response message is automatically changeable by having the clock calendar section with conditions, such as time of day and a day of the week which received a message.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The block diagram of the TV phone equipment in one example of this invention

[Drawing 2] Drawing showing the message selection-condition setting screen of the TV phone equipment in one example of this invention

[Drawing 3] Drawing showing the message individual appointed screen of the TV phone equipment in one example of this invention

[Drawing 4] The flow chart of the TV phone equipment in one example of this invention

[Drawing 5] The block diagram of the TV phone equipment in the 2nd example of this invention

[Drawing 6] Drawing showing the message selection-condition setting screen of the TV phone equipment in the 2nd example of this invention

[Drawing 7] The flow chart of the TV phone equipment in the 2nd example of this invention

[Drawing 8] The block diagram of conventional TV phone equipment

[Description of Notations]

1 Image Photography Section

2 Graphic Display Section

3 Hand Set

4 Image Codec Section

5 Voice Codec Section

6 Multiplexing / Separation Section

7 Circuit Interface Section

8 Key Input Section

9 Mode Change Section

10 Whole Control Section

11 Automatic-Answering Control Section

12 Response Message Are Recording Section

13 Telephone Number Registration Section

14 Voice-told Message Are Recording Section

15 Image Message Are Recording Section

16 Message Selection-Condition Registration Section

17 Message Selection-Control Section

18 He is Arrival-of-the-Mail Records Department During Absence.

19 Clock Calender Section

20 Message Selection-Condition Registration Section

21 Message Selection-Control Section

[Translation done.]

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DRAWINGS

[Drawing 2]

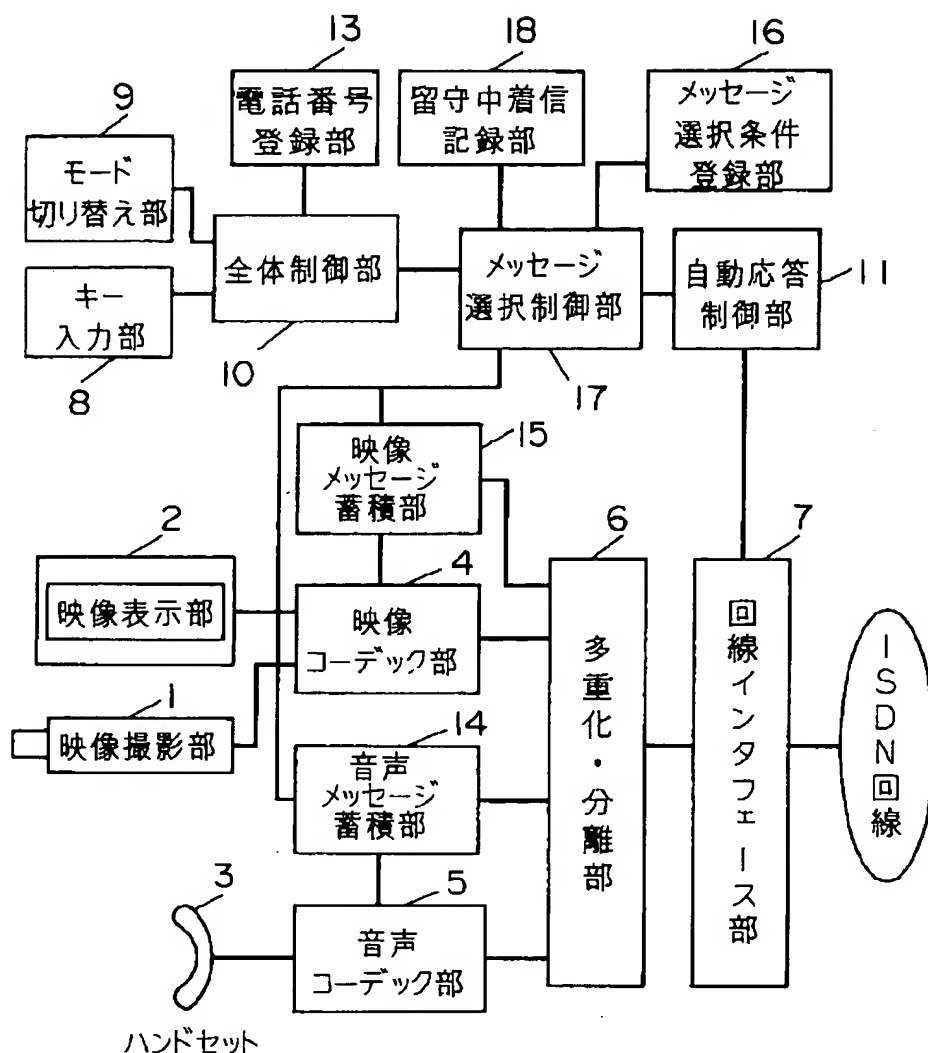
メッセージ選択条件	
メッセージ選択条件を入力してください	
条 件	応答メッセージ
1. DV	A1+V1
2. DL	A2
3. TV	A3+V3
4. TL	A4
5.	
6.	
7.	

[Drawing 6]

メッセージ選択条件	
メッセージ選択条件を入力してください	
条 件	応答メッセージ
1. DV	A1+V1
2. DL	A2
3. AM+WD	A3+V3
4. AM0:00~1:00+WD	A4+V4
5. PMI:00~+WD	A5+V5
6. HO	A6+V6
7.	

[Drawing 1]

Drawing 1



4: Image Codec
 9: Voice Codec
 6: MUX/DEMUX
 11: automatic
 Answer control
 Sel

13: Telephone no.
 registration

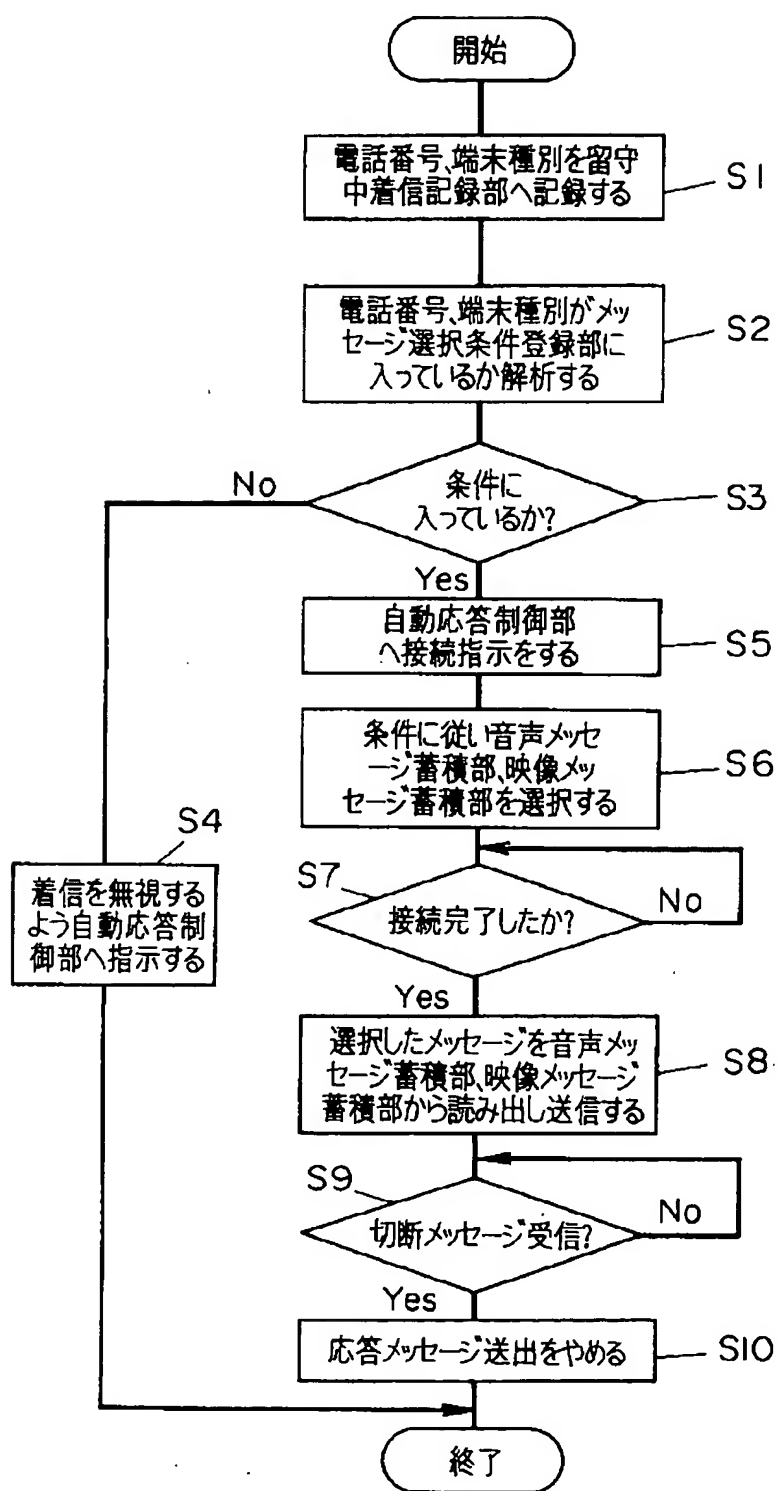
14: Storage for
 response
 audio message

15: Storage for
 response
 image message

[Drawing 3]

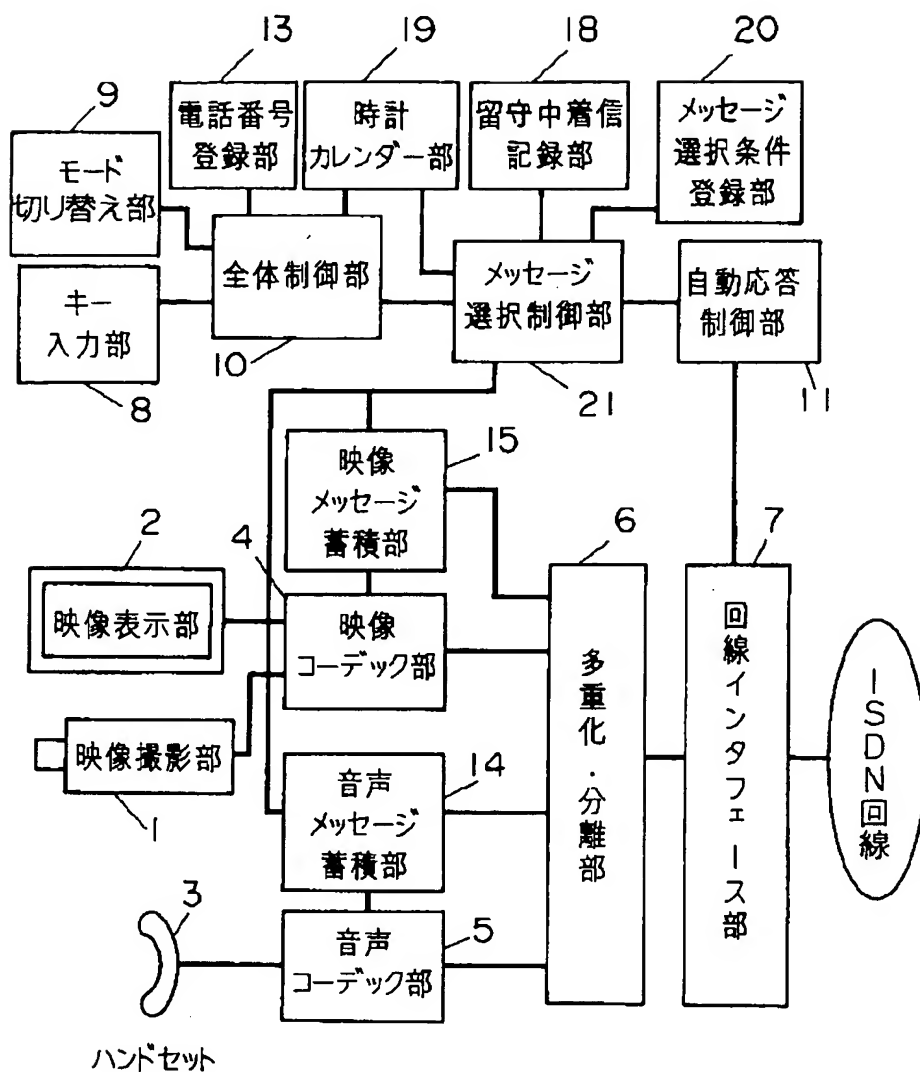
電話番号リスト		
名前	番号	応答
1. ABC	0123456789	A1+V1
2. DEF	1357901099	A2
3. GHI	2468010000	A3+V3
4. JKL	3691234594	V4
5. MNO	1111111111	A5+V5
6. PQR	1212121212	A6+A7
7. STU	2323232323	
8. VWX	9999999999	
9. YZ	1009875430	
10. ZZZ	0987876660	

[Drawing 4]

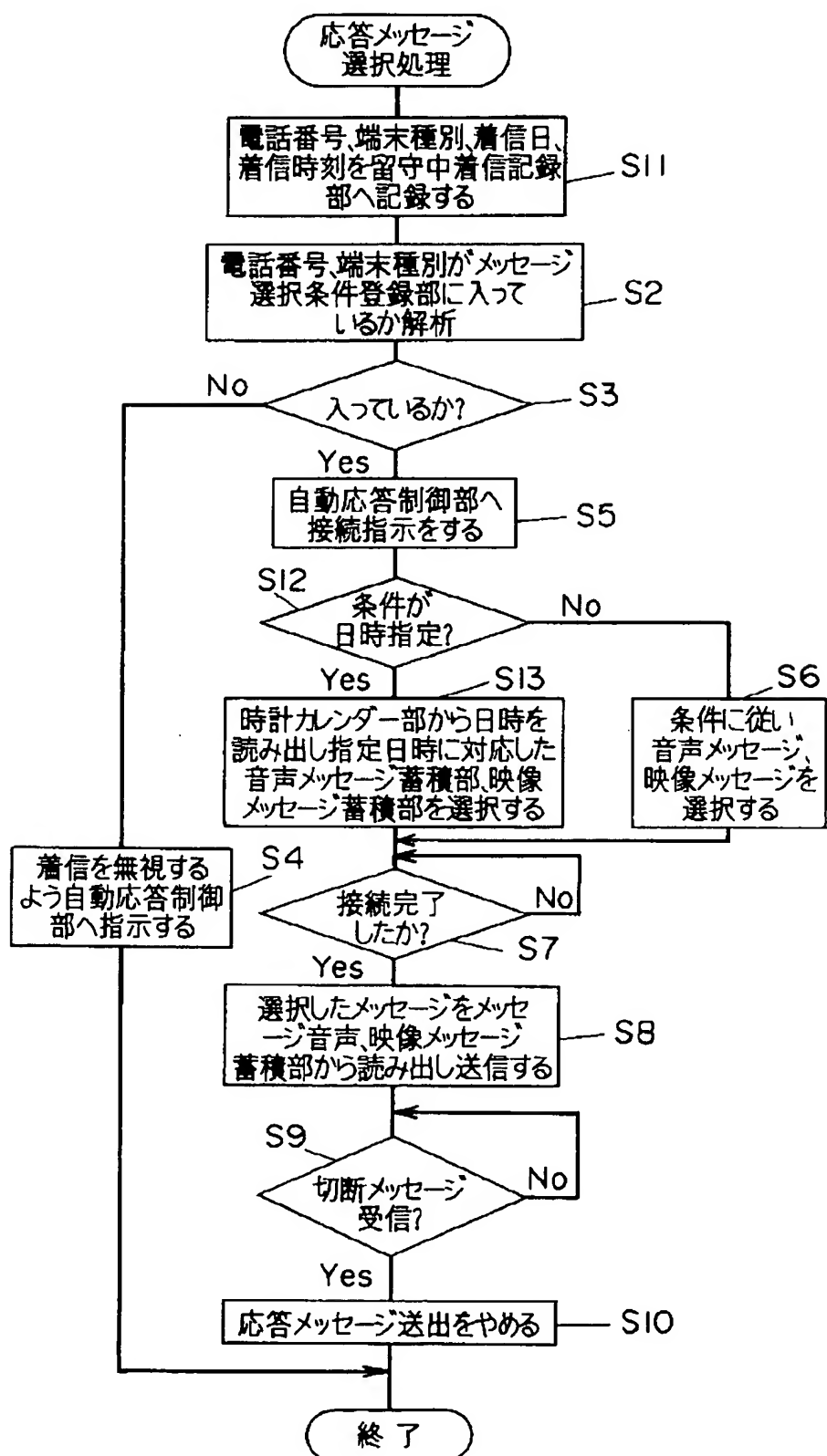


[Drawing 5]

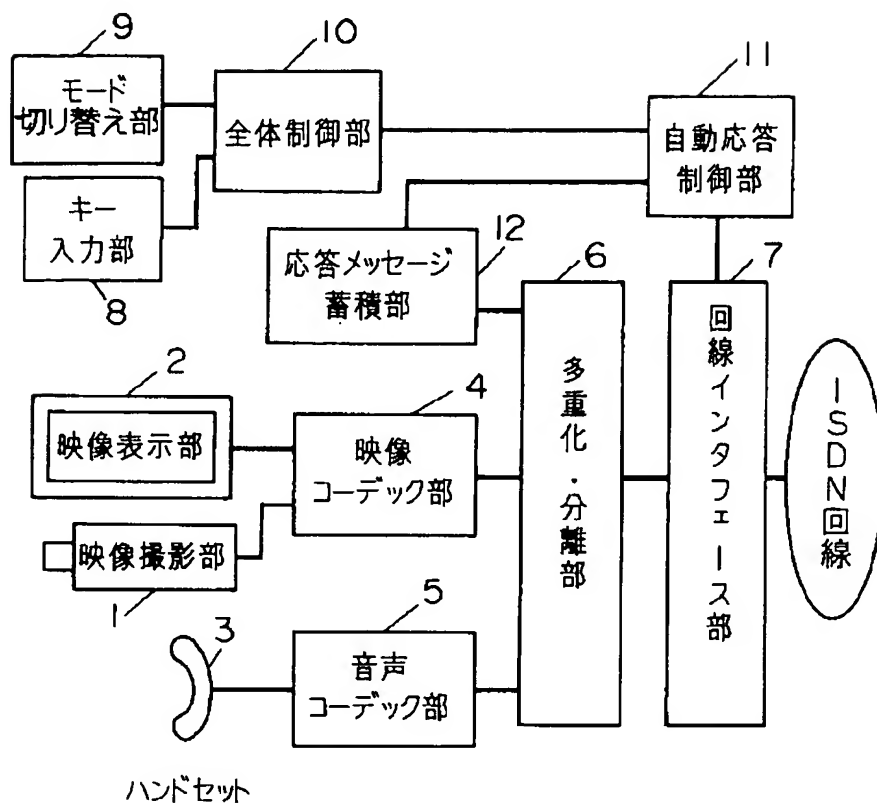
Drawing 5



[Drawing 7]



[Drawing 8]



[Translation done.]